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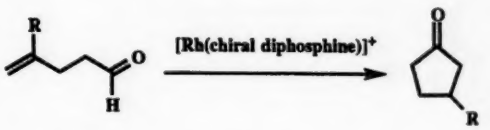

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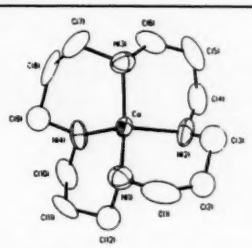

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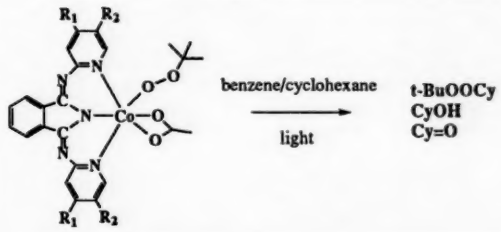

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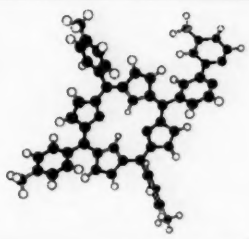

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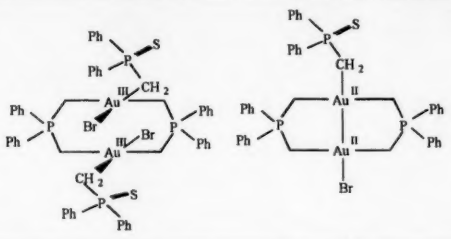

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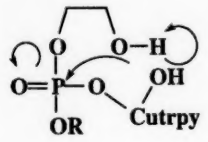

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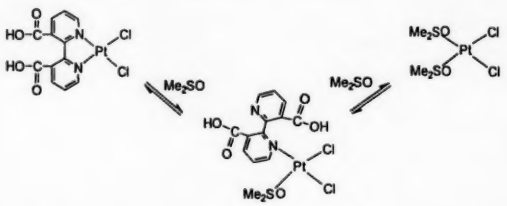

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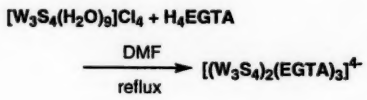

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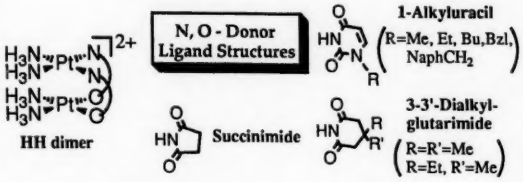

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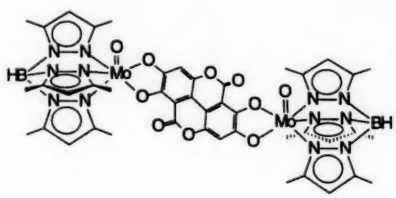
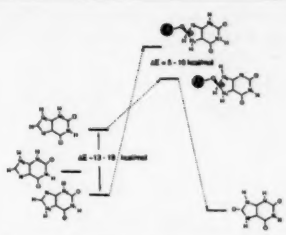


Tautomerization of the substrate heterocycle in the course of the reaction of xanthine oxidase ..... 87 P. Ilich, R. Hille	
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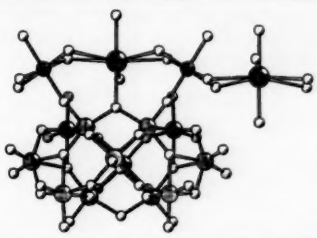
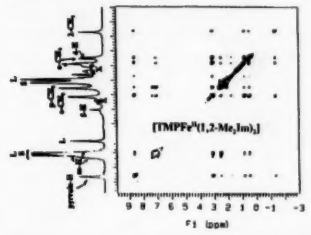
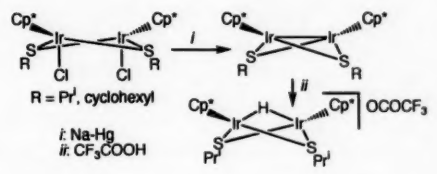
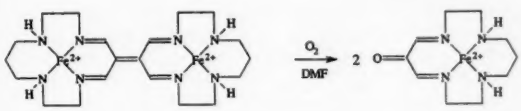
Synthesis, structure of polymeric cobalt-containing heteropolytungstates and their applications in oxidation catalysis ..... 99 I. Loose, M. Bösing, R. Klein, B. Krebs, R.P. Schulz, B. Scharbert	
Rates of axial ligand rotation in diamagnetic d^6 Co(III) and Fe(II) porphyrinates ..... 109 J.R. Polam, T.Kh. Shokhireva, K. Raffii, U. Simonis, F.A. Walker	
Preparation of a series of dinuclear Ir(III) and Ir(II) complexes containing bridging thiolate ligands ..... 119 M. Nishio, H. Matsuzaka, Y. Mizobe, M. Hidai	
Reaction of dioxygen with a cross-conjugated carbon–carbon double bond in a bis-macrocycle diiron compound ..... 125 D.B. MacQueen, C. Lange, M. Calvin, J.W. Otvos, L.O. Spreer, C.B. Allan, A. Ganse, R.B. Frankel	

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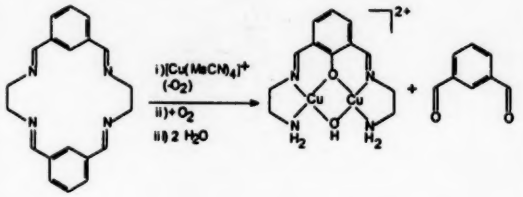

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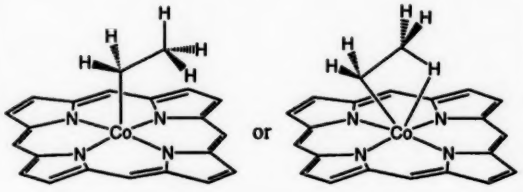

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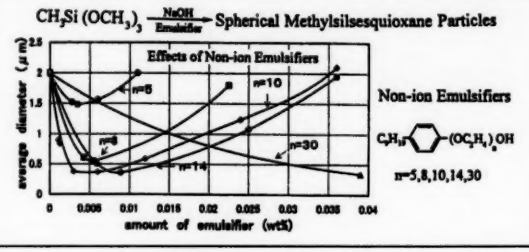

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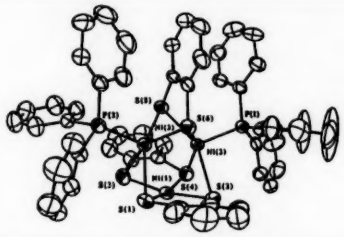

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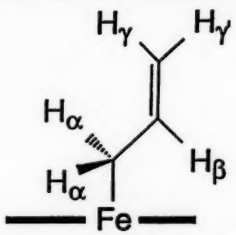

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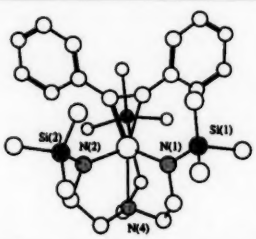

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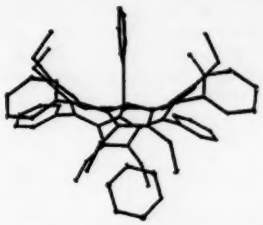

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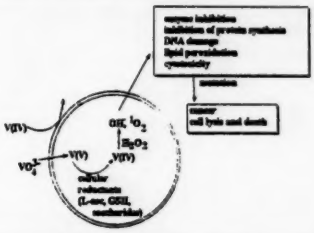

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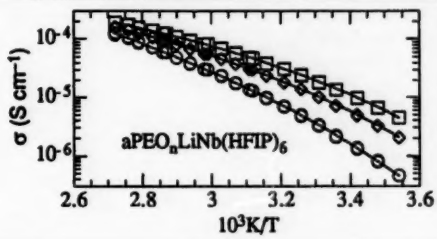

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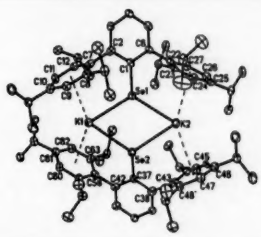

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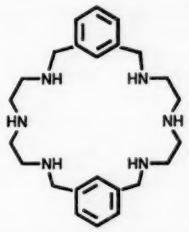

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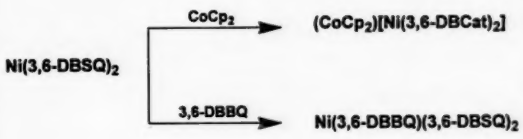

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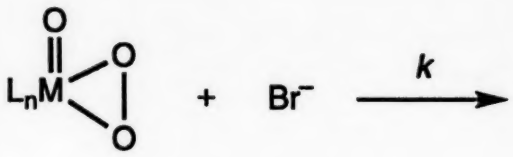

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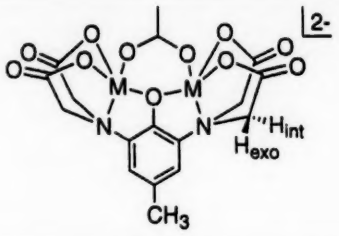

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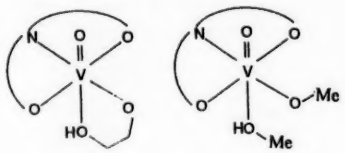

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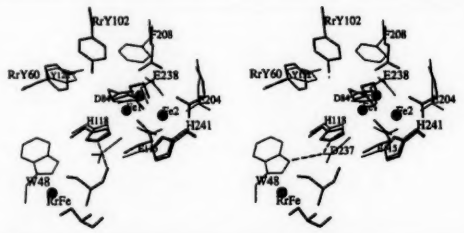

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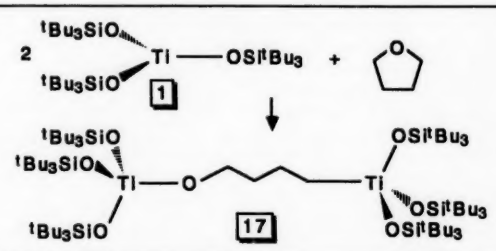

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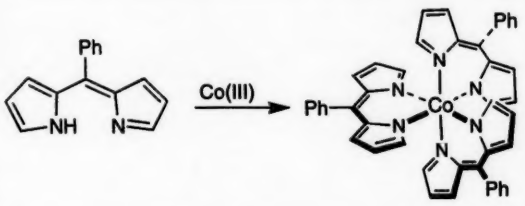

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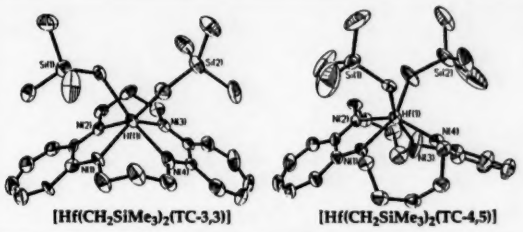

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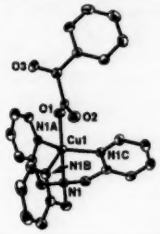

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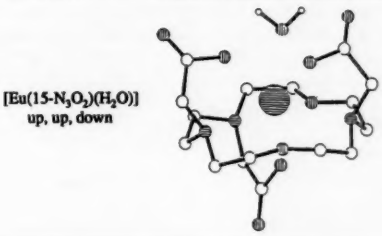

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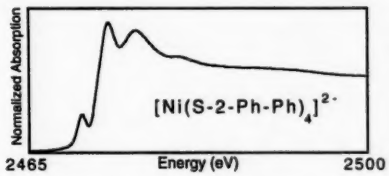

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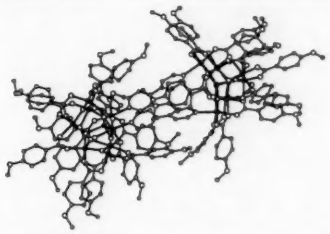

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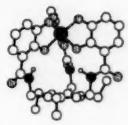
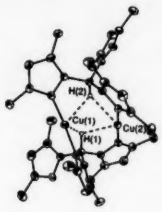
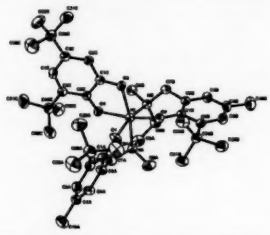
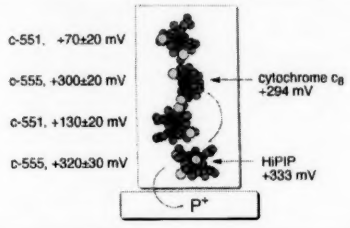
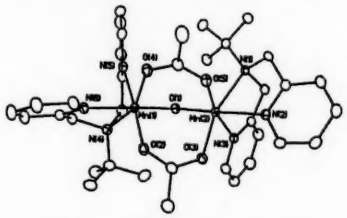
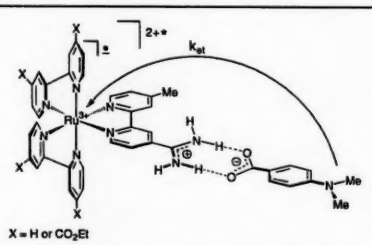
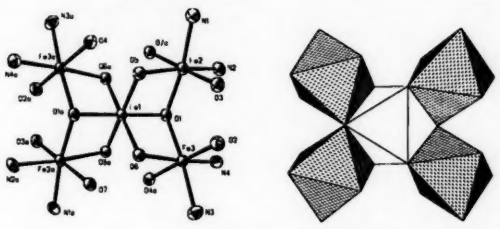


Evidence for Cu···H interactions in dinuclear Cu(I) complexes of hindered hydrotris(pyrazolyl)borate ligands..... 357 S. Kiani, J.R. Long, P. Stavropoulos	
Structure and electronic properties of (*N,N'*-bis(4-methyl-6-tert-butyl-2-methyl-phenolato)-*N,N'*-bismethyl-1,2-diaminoethane)-Fe^{III} (DBSQ). Spectroelectrochemical study of the red–ox properties. Relevance to intradiol catechol dioxygenases..... 367 P. Mialane, E. Anxolabéhère-Mallart, G. Blondin, A. Nivorojkine, J. Guilhem, L. Tchertanova, M. Cesario, N. Ravi, E. Bominaar, J.-J. Girerd, E. Münck	
Cyclic voltammetry and spectroelectrochemistry of cytochrome c_8 from *Rubrivivax gelatinosus*. Implications in photosynthetic electron transfer..... 379 M. Borsari, S. Benini, D. Marchesi, S. Ciurli	
Sterically crowded manganese-oxo complexes of *N,N*-bis(2-pyridylmethyl)-tert-butylamine with bridged binuclear core types $\{Mn^{III}_2(\mu\text{-}O)(\mu\text{-}OAc)_2\}$ and $\{Mn^{IV}_2(\mu\text{-}O)_2(\mu\text{-}OAc)\}$ ..... 385 H.J. Mok, J.A. Davis, S. Pal, S.K. Mandal, W.H. Armstrong	
Electron transfer within ruthenium(II) polypyridyl–(salt bridge)–dimethylaniline acceptor–donor complexes..... 395 J.A. Roberts, J.P. Kirby, S.T. Wall, D.G. Nocera	
Synthesis and structures of trinuclear and μ-hydroxo pentanuclear iron(II) carboxylates as models of reduced ferritin and white rust.. 407 R.J. Lachicotte, K.S. Hagen	

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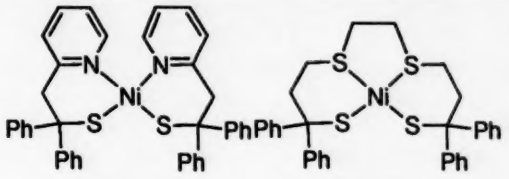

[Ni(dpmep)], 1 **[Ni(tpttd)], 2**

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